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Trip Sth Australia

Nov - Dec. 1954

The Savings Bank of South Australia.

Collection No. 64

L. J. Chinnick Agency

POSTAGE BOOK

Sth. Australia Trip.

Date. 23/11/54.

5809. Hay. N.S.W. 5844 Turned N^th towards Maudie. Recent heavy rains made road impassable at 5849.

✓ 5849. (4 spec) Acid. Collected. Heavy grey self mulching soil with Kochia sp as only cover. Many on the bushes appeared dead and any other pasture constituent completely grazed out. Swarm of A. cruciata (Austroicetes cruciata) present.

✓ Turned back to Hay Balranald Rd.

5854 = 5844. Continued towards Balranald.

5855 (5 spec) (Acid.) Collected. Heavy grey self mulching soil with good cover of Kochia sp. practically pure stand of this species. Some P. gracilis in table-drain. High population of A. cruciata (Austroicetes cruciata).

5905 Balranald.

Azelota sp., Ulmica rugosa,

24/11/54. "Lowan" Sth. Australia Sherlock area.
Scmo 100. 16(?), Caryphistes sp.,
Collected along narrow strip of mallee
Austroicetes crucifera, A. frater,
both E. oleosa and dumosa with
Moraba viatica (?)
odd clumps of Triodia sp. present.
Austroicetes collected from open
sandy country bordering treed
area. Macrotona specifically from
Triodia. Moraba from small
shrub. (21 acridids)(1 tumast.)

25/11/54. Mallee regrowth area containing
Azelota sp., Cirphula sp., Apotropis sp.,
(3 acridids) shoots of E. dumosa oleosa and
(1 tumast) Moraba viatica (?)
(4 Scarabs) gracilis to high of 4 ft. Some
(1 fly). brush and Kochia plants evident
together with regrowth of ti-tree.
Other heath like shrubs present.
Scarab specimens taken at night
attracted by house light.

26/11/54. Taken at house attracted by
light. (3 Scarabs & 1 mantid)

27/11/54 Taken from recently logged
areas. Three species of Mallee

Following spp. either 27/11/54 or 27/12/54:
Phaulacridium nanum, Urnisa guttulosa, Conicea spp. (2), Austroicetes frater, Azelota sp., Urnisa rugosa, Macrotona australis, Pespulia sp. (n), Genus nov. 16 (?)

Moraba sp. (viatica gp.), M. sp. (granulosa gp.) (2), present as "shoots" to 2 ft high. Ti tree in same condition. On clay flats Triodia. On sand hill a coarse type of sedge-like plant with heath species of shrubs present. Day cool & windy. Moraba from Kochia plants.

(3 flies, 5 bumsh., 1 ½ Hrs. ~ 30 acres dis.)

28/11/54.

6354 Left Lowan. 6358 Sherlock.
6363 Stop. Bylota sp., Hydrocicerbo fratus, reasonably dense mallee Pardillopsis sp. (2), Hypochoris sp., E. oleosa to 12 ft high, much Monostria bolbari, Psoralea spp. (2), leafe bark debris present. A single species of low shrub present. Austrocicerbo pusilla Monostria appeared to be feeding on this. (Specimen of shrub.).

6372 Moorlands: 6382 Tailem Bend.
6395 Turned Nth. Towards Karoonda.
6399 Turned left. Towards R. Murray.
6402 Stop. Collected from top of cliffs. Pebbly areas on top

Austroicetes frater, A. pusilla, A. crudita, Chiptoicetes termiticea.
sloping portion of high cliffs with areas of coarse dant ponia present. Austroicetes and a single specimen of Brachyexarna taken from here. Further back on sandy area supported large clumps of a Sedge-like coarse plant. (local name Black grass) Umisa and Azelota taken here.

Azelota sp. Umisa rugosa, Brachyexarna lalipennis.

6450 Lowan

Austroicetes frater, A. "pusilla",

30/11/54. Collected from same area as 25/11/54. Ecology notes as for there.

Apotropis sp. Conphistes sp.

1/12/54 "Lowan" — Yumali.

6468 Left Lowan.

6473 Stopped. Flat area sandy loams. Mallee, titree in natural state. Not dense, woodland type. Heath species present. Kochia sp. (fine leaf). numerous. Moraba from this species.

Moraba sp. (vesica ?)

6479 Yumali. turned at this point and returned towards Lowan.

6483 Stopped. Side of sand hill, mallee (Azelota sp., Peakesia sp.) having been previously removed. (Austroicetes frater) dense stand of shrubby plants.

6490. 1/12/54 Lowan! – Cirphula taken feeding in oat crop. Scarab from light at house. (Cirphula sp.)

2/12/54. Recently logged country. Mallee regrowth to 1ft. similarly with ti-tree. Numerous small shrubs to 1ft. Dodonea sp. brush to 3ft. (Moraba sp. (Acacia sp.), Moraba sp.) with several other heath-like species. (Gramuloza sp.) (N), Gopiaea sp., On side of sand hill. (Complisiptes sp., Monica rugosa, Peakesia sp., Austroicetes frater,) Flattened Trachea mainly dead. One male immature moraba and callitala. (Azelota sp.) Callitala suspected of living on brush. Taken by hand from mallee shoots onto which it jumped. Scarabs taken at night, attracted by house light (1 fly, 13 acridids, 3 cicadas, 4 Scarabs)

2/12/54. 6 ml. S.W of Sherlock on Boomandook Rd.

Mallee strip along side of road, not dense, confined mainly to stoney outcrops, with some ti-tree. Small shrubs (different of any other seen) with Eremophilia sp from 6" to 2 ft high. Poor collecting.
(5 acridids)

Austrodiscticus fraterr, Alpinoa rugosa, Acrolota sp.

3/12/54. Taken at night attracted by light
(1 scarab)

4/12/54. Left Lowan 6670.
6674 Sherlock ~~to~~ Tatem Bend.
6678 Stop. Mallee both oleosa and dumosa with stunted callitris and ti-tree. Some Triodia but absence of any small shrubs. Ground undulating and studded with limestone rocks.
(8 Acridids 2 flies 1 wasp)

Goniaea sp., Acrolota sp., Austrodiscticus fraterr,

6698 Tailem Bend

returned to Sherlock no collecting
gale force winds

5/12/54 "Lowan"

Recently logged area most
Morabia sp. (Cristicata sp.), Morabia sp.
mallee dry and rolled some
(Graminoid sp.) (?), Pesplia sp.,
regrowth to 1ft. Area composition
Kirphula sp., Coryphistra sp., Genus
of vegetation varying with
nov. 34, Genus nov. 16 (?), Urnisa
soils. Tri-trea, brush and several
rugosa, U. gutturosa, Gonipea sp.,
small shrub types found on
Austroicetes fatae, (rolled) Azelota spp. (2),
sand hill with mallee and
Histrioacrida sp. (?).
stunted callitris together with
with Triodia and numerous
shrub species on clay flats.
Callitala, and moraba nymphs
numerous on Eremophila species
(specimen to Key) (cage material)
Histrioacrida nymphs feeding
on small blue flowered shrub.
(22 Acridids, 5 flies, 6 Eumast. 4 wasps)

back prior 6698.

6695 Stop. Open tussocky country (black grass) low rolling sand hills No specimens. (Strong wind blowing) sight Hust. pusilla and Ch. terminifera

6/12/54.
6768 Stop. Moinastria boliviapis, Azlota sp., Same as for 6363 Apotropis sp.
28/11/54. (5 acrids)

8/12/54
6843 Stop. as for 6363 + 6768. Monistria boliviapis, Azlota sp., (22 Acridids 1 fly) Urnisa rugosa, Apotropis sp.

9/12/54 Taken from timbered area Morabba sp. (uatica sp.), Gonaca sp. approx chn. wide running along side of roadway. (Lowan gate) Natural mallee of both oleosa and dumosa, only odd shrubs. Flies taken from mallee flower. (1 Eumast, 1 acrid, 3 flies = 1 Kellig.)

13/12/54 [illegible]
Repeated mother with [illegible]
Austin [illegible] Nerve-pain [illegible]
[illegible]
Scandes feeding [illegible]
[illegible]
[illegible] Cyte. prep. 212-15.

14/12/54 Specimens taken of three patients but Scandes [illegible] to light on house at night.

16/12/54 Ns for 5/12/54 [illegible]

17/12/54 Taken from family [illegible] country, both [illegible] mother [illegible] 18". Hypnotic [illegible] mother [illegible]

20/12/54 [illegible]
Ns for 5/12/54 11/12/54
[illegible]

20/12/50 Prawan [illegible] of mother
[illegible], Nicaragua
rather stupid, with Hi-Tree
Cultivars and Tropica Lawn

22/12/50 2 Months previously cropped
and from elevation refer
5/12/50

25/12/50 As for 1363.

27/12/50 As for 21-12-50
28/12/50 As for 27/12/50

Months taken 13/12/50 as
regards (for that locality)
25/12/50

Minyaeis navis

Minyacris

Pedicularis

Pedicularis pedicularis

Minyacris

Pedicularis pedicularis (?)

23/2/55

7765 [illegible]

7766 [illegible]

7767 [illegible]

7768 [illegible]

7769 [illegible]

7821 [illegible]

7822 [illegible]

7295 Podisma sp.

7296 Melanoplus sp., near [illegible]

7296 [illegible] sp., [illegible]

Phrynigoridis [illegible] ba

sp. (gnum [illegible])

7295 [illegible]

[illegible] 21/7/[illegible]

[illegible]

7296 [illegible] of fat; Phrynigoridis [illegible]

Phrynigoridis [illegible] sp., [illegible]

sp. [illegible]

7298 [illegible]

7299 [illegible]

[illegible] sp.

[illegible]

7297 [illegible]

Minyaria nana

7944 Murray Bridge.
7946 Left Murray Bridge
8016 Tailem Bend.
8022 As for 1363 (28/11/54.
8057 Sedeck

25.12.54.

As for 6363.

Austrolestes fratex, A. pusilla, Cryptolothnus chrysophorus, Monistria bolivari, Macrotona australis, Gonioea sp., Pardillana sp., Apotropis sp., Bzelota sp.

N.B. Moraba sp. nymphs around Lowan were associated with three shrubs: Baeckia behrii, Melaleuca uncinata, & Correa sp. (?). Monistria bolivari appeared to be associated with the shrub Westringia rigida. (Determinations N.T. Burbidge).

"Lowan"
Sherlock
Sth Australia
5/12/54.

Dr. K.H.L. Key,
Principal Research Officer,
C.S.I.R.O.,
Box 109 P.O.
Canberra City, A.C.T.

This letter refers to collection no. 6.

Dear Ken,

Sorry I haven't written sooner, but have purposely delayed doing so, so as to get some idea of the fauna as a whole.

Firstly the trip over didn't yield anything whatsoever; at Hay rain which fell a few days previous prevented me going through Maudie, although I got within four miles of it, by continuing 35 miles W. of Hay on the Hay-Balranald Rd, then turning N.th towards Maudie on the road that links Maudie with the main highway. I managed to get within four miles of Maudie but was prevented from going on by water across the road. Conditions in this area must have been dry this year as pastures of Kochia etc were at a low level with an almost complete absence of any other plant cover. The large Chenopod bush was very restricted. The only grasshopper species picked up was H. cruciata which was in swarm numbers over most of this western country. I'll, probably come back this way again with the hope of picking up anything else on my trip back to Canberra.

The picture at Sherlock and surrounding area is somewhat disappointing in some respects, although some aspects have proved quite enlightening. The position regarding Moraba is disappointing, apparently I am too late for this species generally, have collected only 7 females

KHLK.

and 3 ♂♂, have cytol. preparations from 2 of these, the other died en route home. There are however numerous young morabas, inhabiting small shrubs under the mallee stratum which may be adult near the end of my stay or should be plentiful while Michael is on his trip. One interesting feature is however, I have located the habitat for Callitala, they are unfortunately all nymphs. I have collected about 8 of them and have them alive in cages set up similarly to the phasmids and hope to perhaps have some adults from these by the end of the month. They seem to inhabit a species of Leptospermum and Eromophila. I have specimens of both of these plants which I am sending over air freight for identification and so that Michael wh will have some idea as to the appearance of the plants concerned. I think there was a Leptospermum sp. present at Temora which may be the key to the Callitala in that area. Together with these plant specimens am forwarding a plant specimen that I think is associated with Monistria of which I have a few specimens. Have come across nymphs of Austrioacrida feeding on another low prostrate plant – it seems from this and the immediate vegetation around this area, that at least in the nymph stage it is not associated with Triodia at least in this area. As the weather has been unsuitable for serious collecting, windy, I have classified time here todate mainly as leave. I have about 250 - specimens to date made up roughly of the following, Aust. species, cruciata, pulcella, vulgaris - frater, 2 macrotona, sp, Azelota sp, 2 Uvarosa sp, Pardellana sp, 2 Goneae sp, Apotropis, 2 Monistria sp, Ciriphula sp, Coryphistes sp, Peakesia sp (yellow legged) Moraba, - Callitala,

Moraba sp. (granulosa group)

Baeckia behrii, Melaleuca lanceolata

Correa sp. (?)

Westringia rigida

some fly spps. and Scarabs. I wont send any thing over to Michael for the moment as I haven't had much luck with the Moraba's, except for the sample of testis taken so that he might let me know if it turns out satisfactory. Will write again shortly to let you how I'm progressing.

Regards.
Lew.